

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/19772

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01L 29/82,43/00,29/00
US CL : 257/421,508,422; 438/48, 348, 361

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 257/421,508,422; 438/48, 348, 361

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,365,419 B1 (DURLAM et al) 2 April 2002 (02.04.2002), FIG. 15.	1-15
Y	US 5,940,319 A (DURLAM et al) 17 August 1999 (17.08.1999), FIG. 17	1-15
Y	US 6,191,495 B1 (KOSSIVES et al) 20 February 2001 (20.02.2001), FIG. 4.	1-15
Y	US 6,165,803 A (CHEN et al) 26 December 2000 (26.12.2000), FIG. 10.	1-15
Y	US 6,542,398 B2 (KANG et al) 1 April 2003 (1.04.2003), Fig. 2.	1-15
Y	US 6,331,943 B1 (NAJI et al) 18 December 2001 (18.12.2001), FIG. 4.	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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Date of the actual completion of the international search

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